-	629134	channel tap estimator\$1	USPAT	2003/09/15 16:05
-	7770	(((controller\$1 and (frame buffer\$1)) and	USPAT	2003/09/15 16:06
		((quantiz\$3 with demodulated signal\$1) and		1
		(((((channel estimator\$1) and (detect\$3 with channel characteristic\$1 with received		
		signal\$1)) and (analy\$4 with detected		
		channel characteristic(1)) and (determin(3)		
		with correction parameter\$1)) and		
		(demodulat\$3 with received signal\$1)))) and		1
		(viterbi decoder\$1)) and (channel tap		
		estimator\$1)		
-	607305	dynamically fading channel	USPAT	2003/09/15 16:06
-	7721	((((controller\$1 and (frame buffer\$1)) and ((quantiz\$3 with demodulated signal\$1) and	USPAT	2003/09/15 16:06
		(((((channel estimator\$1) and (detect\$3 with		
		channel characteristic\$1 with received		
	i	signal\$1)) and (analy\$4 with detected		
		channel characteristic\$1)) and (determin\$3		
		with correction parameter\$1)) and		
		(demodulat\$3 with received signal\$1)))) and	Ì	
		(viterbi decoder\$1)) and (channel tap		
		estimator\$1)) and (dynamically fading		
	563404	channel)	USPAT	2002/09/15 16:07
_	303404	detect\$3 with fading characteristic\$1 with fading channel\$1	JOPAL	2003/09/15 16:07
-	563404		USPAT	2003/09/15 16:08
		fading channel\$1) and (detect\$3 with fading		,,
		characteristic\$1 with fading channel\$1)		1
-	955189	estimating with RMS with received signal\$1	USPAT	2003/09/15 16:08
] -	256495	((detect\$3 with fading characteristic\$1 with	USPAT	2003/09/15 16:09
1		fading channel\$1) and (detect\$3 with fading		'
		characteristic\$1 with fading channel\$1)) and		
_	4135	(estimating with RMS with received signal\$1) 714/746.ccls. or 714/704.ccls. or	USPAT	2003/09/15 16:16
	4135	714/746.ccis. or 714/704.ccis. or 714/795.ccis. or	USPAI	2003/09/13 16:16
		375/243.ccls. or 375/346.ccls. or		
		375/340.ccls. or 375/262.ccls. or		
		375/265.ccls. or 375/347.ccls. or		
		375/348.ccls.		1
-	2843	(((detect\$3 with fading characteristic\$1	USPAT	2003/09/15 16:17
		with fading channel\$1) and (detect\$3 with		
		fading characteristic\$1 with fading channel\$1)) and (estimating with RMS with		
		received signal\$1)) and (714/746.ccls. or		
		714/704.ccls. or 714/795.ccls. or		
		375/341.ccls. or 375/243.ccls. or		
		375/346.ccls. or 375/340.ccls. or		
		375/262.ccls. or 375/265.ccls. or		
		375/347.ccls. or 375/348.ccls.)		
-	17	714/780.ccls. and ((((detect\$3 with fading	USPAT	2003/09/15 17:09
		characteristic\$1 with fading channel\$1) and (detect\$3 with fading characteristic\$1 with		
		fading channel\$1)) and (estimating with RMS		
	ł	with received signal\$1)) and (714/746.ccls.		
	1	or 714/704.ccls. or 714/795.ccls. or		
		375/341.ccls. or 375/243.ccls. or	1	
1	ł	375/346.ccls. or 375/340.ccls. or		
	1	375/262.ccls. or 375/265.ccls. or		
	11770	375/347.ccls. or 375/348.ccls.))	HEDAT	2002/00/15 22 22
1	11738	"Q(.)" ((((detect\$3 with fading characteristic\$1	USPAT USPAT	2003/09/15 17:10 2003/09/15 17:10
		with fading channel\$1) and (detect\$3 with	JOFAI	2003/03/13 17:10
	l	fading characteristic\$1 with fading	1]
	1	channel\$1)) and (estimating with RMS with	1	
		received signal\$1)) and (714/746.ccls. or	1	<u> </u>
		714/704.ccls. or 714/795.ccls. or	1	
		375/341.ccls. or 375/243.ccls. or		
		375/346.ccls. or 375/340.ccls. or	I	
	l	375/262.ccls. or 375/265.ccls. or 375/347.ccls. or 375/348.ccls.)) and "Q(.)"	1	
-	562719	receiving with portion with signal with	USPAT	2003/09/15 17:11
		unknown channel\$1		,,

-	2131001		USPAT	2003/09/15 17:12
-	1580696	detecting channel characteristic\$1	USPAT	2003/09/15 17:13
-	1501786		USPAT	2003/09/15 17:14
		detected channel characteristic\$1		
-	439173	(receiving with portion with signal with	USPAT	2003/09/15 17:14
		unknown channel\$1) and (storing with		
		received portion)		
-	439054	(detecting channel characteristic\$1) and	USPAT	2003/09/15 17:15
		((receiving with portion with signal with		
		unknown channel\$1) and (storing with		
		received portion))		
-	439050	(estimating wit correction action with	USPAT	2003/09/15 17:16
		detected channel characteristic\$1) and		
	1	((detecting channel characteristic\$1) and		
		((receiving with portion with signal with		
		unknown channel\$1) and (storing with		
	1	received portion)))		
-	1669		USPAT	2003/09/15 17:18
		714/795.ccls. or 375/341.ccls. or		1 1
		375/243.ccls. or 375/346.ccls. or		1
		375/340.ccls. or 375/262.ccls. or		
1		375/265.ccls. or 375/347.ccls. or		
		375/348.ccls.) and ((estimating wit		
		correction action with detected channel		l i
		characteristic\$1) and ((detecting channel		
		characteristic\$1) and ((receiving with		
		portion with signal with unknown channel\$1)		
		and (storing with received portion))))		/ /
1 -	1	714/780.ccls.	USPAT	2003/09/15 17:18
1 -	8	((714/746.ccls. or 714/704.ccls. or	USPAT	2003/09/15 17:19
1		714/795.ccls. or 375/341.ccls. or		
		375/243.ccls. or 375/346.ccls. or		
		375/340.ccls. or 375/262.ccls. or		
		375/265.ccls. or 375/347.ccls. or		
		375/348.ccls.) and ((estimating wit correction action with detected channel		
		characteristic\$1) and ((detecting channel		
		characteristic(s) and ((detecting channel characteristic(s)) and ((receiving with		
1		portion with signal with unknown channel\$1) and { storing with received portion))))) and		
		714/780.ccls.		
	l	/14//00.0018.	l	

L Number	Hits	Search Text	DB	Time stamp
-		channel estimator\$1	USPAT;	2003/09/15 15:31
			US-PGPUB;	,,
	!		EPO; JPO;	
			DERWENT;	
			IBM TDB	
l i	3536631	detect\$3 with channel characteristic\$1 with	USPAT;	2003/09/15 15:32
-	3336031	received signal\$1		2003/09/15 15:32
		received signarsi	US-PGPUB;	1
	l		EPO; JPO;	1
	l		DERWENT;	i
			IBM_TDB	
-	3004800	analy\$4 with detected channel	USPAT;	2003/09/15 15:33
		characteristic\$1	US-PGPUB;	
	•		EPO; JPO;	
			DERWENT;	
			IBM_TDB	
-	763778	determin\$3 with correction parameter\$1	USPAT;	2003/09/15 15:35
		<u>-</u>	US-PGPUB;	1
1			EPO; JPO;	
1			DERWENT;	
			IBM TDB	
_	474825	(channel estimator\$1) and (detect\$3 with	USPAT;	2003/09/15 15:37
	174025	channel characteristic\$1 with received	US-PGPUB;	2003/03/13 13:37
1				
		signal\$1)	EPO; JPO;	
1			DERWENT;	
			IBM_TDB	
-	471799	((channel estimator\$1) and (detect\$3 with	USPAT;	2003/09/15 15:41
		channel characteristic\$1 with received	US-PGPUB;	
1		signal\$1)) and (analy\$4 with detected	EPO; JPO;	
	ł	channel characteristic\$1)	DERWENT;	
1			IBM TDB	
-	85181	(((channel estimator\$1) and (detect\$3 with	USPAT	2003/09/15 15:57
		channel characteristic\$1 with received		,,
		signal\$1)) and (analy\$4 with detected		
		channel characteristic(1)) and (determin(3)		
		with correction parameter\$1)		
_	955295		USPAT	2003/09/15 16:00
_	955188	quantiz\$3 with demodulated signal\$1	USPAT	2003/09/15 16:00
	84563	((((channel estimator\$1) and (detect\$3 with		
1	04303		USPAT	2003/09/15 16:01
		channel characteristic\$1 with received		
		signal\$1)) and (analy\$4 with detected		
		channel characteristic\$1)) and (determin\$3		
		with correction parameter\$1)) and		
		(demodulat\$3 with received signal\$1)		
-	84560	(quantiz\$3 with demodulated signal\$1) and	USPAT	2003/09/15 16:02
		(((((channel estimator\$1) and (detect\$3 with		
		channel characteristic\$1 with received		
		signal\$1)) and (analy\$4 with detected		
		channel characteristic\$1)) and (determin\$3		
		with correction parameter(1)) and		
1		(demodulat\$3 with received signal\$1))		1
-	296286	controller\$1	USPAT	2003/09/15 16:02
_	811030		USPAT	2003/09/15 16:02
_	122528	controller\$1 and (frame buffer\$1)	USPAT	
<u> </u>	20917			2003/09/15 16:04
	2031/		USPAT	2003/09/15 16:04
		((quantiz\$3 with demodulated signal\$1) and		1
		(((((channel estimator\$1) and (detect\$3 with		1
		channel characteristic\$1 with received		1
		signal\$1)) and (analy\$4 with detected		
		channel characteristic\$1)) and (determin\$3		!
		with correction parameter\$1)) and		
		(demodulat\$3 with received signal\$1)))		
-	100434	viterbi decoder\$1	USPAT	2003/09/15 16:05
-	7770	((controller\$1 and (frame buffer\$1)) and	USPAT	2003/09/15 16:05
		((quantiz\$3 with demodulated signal\$1) and	1	=====, ==, ==, ======================
		(((((channel estimator\$1) and (detect\$3 with		
		channel characteristic\$1 with received		
		signal\$1)) and (analy\$4 with detected		
		channel characteristic\$1)) and (determin\$3		l
		with correction parameter\$1)) and		
		(demodulat\$3 with received signal\$1)))) and		
		(viterbi decoder\$1)	l	1